

*MATERIAL HEALTH AND SAFETY BULLETIN

UNION CHEMICALS DIVISION / N	IITRO	GEN GR	OUP		
Product Code Nos 311				UN No. 1830	
MANUFACTURER'S NAME					
Union Chemicals Division,	Union	OII Compan	y of Callfornia		
STREET ADDRESS + 461 South Boylston					
CITY, STATE, AND ZIP CODE Los Angeles, CA 90017			P. O. Box 604	55, 90060	
EMERGENCY TELEPHONE NO.					
Transportation Emergencies of Health Emergencies Call Los Angeles Poison Control Con	enter (2	MTREC (80 4 hours) (21	0) 424-9300 3) 664-2121		
	· · · · · · · · · · · · · · · · · · ·	WARNING ST	ATEMENT:		
PRODUCT:				nonnoi conque	
MMON NAME: Sulfuric Acid		Poisoncannot be made nonpoisonous.			
GENERIC NAME: Sulfuric Acid		Can cause			
CHEMICAL NAME: Sulfuric		Induce vomiting if swallowed.			
CHEMICAL FAMILY: Inorganic Acids		For indus	strial use only	·	
				$\langle 0 \rangle$	
DOT PROPER SHIPPING NAME:				$\langle 3 \times 2 \rangle$	
Saction I	INC	REDIENTS	X		
	TLV*			TLV*	
	1 /_ 3				
Sulfuric Acid	Lmg/m ³				
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Threshold Limit Value A, OSHA X 9, ACGII	H 🔲	C. See See	ction III 🗌	D, Other	

Union Chemicals Division

e a physician call LOS ANGELES POISON CONTROL CENTER (24 hrs.) 213/664-2121
e a physician can LOS ANGELES FOISON CONTROL CENTER (24 ms.) 213/004-2121
Flush with large quantities of water for at least 15 minutes and seek immediate medical attention.
Wash with large quantities of water and seek medical attention if irritation from contact persists.
If breathing difficulties, dizziness, or light-headedness occur when working in areas with high vapor concentration, victim should be removed to fresh air free of vapors.
DO NOT induce vomiting. Seek immediate medical advice and/or attention.

Skin Effects Skin Systemic Effects Various Respi Lung Denta	burns. studies have shown a possible association with exposure to this product and the following:
Systemic Various Effects Respi Lung Denta	studies have shown a possible association with exposure to this product and the following:
Respi Lung Denta	
Lung	ratory tract irritation. inflammation. il errosion.
	damage.

	Section IV SPECIAL PROTECTION INFORMATION
Respiratory Protection (Specify Type)	The use of respiratory protection depends on vapor concentration above the time-weighted TLV; use a NIOSH approved cartridge respirator or gas mask.
Ventilation	General mechanical ventilation may be sufficient to keep product vapor concentrations within specified time-weighted TLV ranges. If general ventilation proves inadequate to maintain safe vapor concentrations, supplemental local exhaust may be required. Other special precautions such as respiratory masks or environmental containment devices may be required in extreme cases.
Protective Gloves	The use of impermeable gloves is advised to prevent skin irritation in sensitive individuals. Eye Protection Safety glasses, chemical goggles and/or face shields are recommended to safeguard against potential eye contact, irritation or injury.
Other Protective Equipment	Impermeable aprons are advised when working with this product. The availability of eye washes and safety showers in work areas is recommended. The use of long sleeved clothing closed at the neck is advised. Change daily if contaminated.

			Section V REACTIVITY DATA		
Stability	Unstable		Conditions to Avoid:		
	Stable	x	Temperatures above 150°F		
Incompatibility (Materials to Avoid)	Base (alka	11)			
Hazardous		·			
Decomposition Products	SO ₃ at high temperatures				
Hazardous Polymerization	May Oœur		Conditions to Avoid:		
	Will Not Occur	X			

	Section VI SPILL OR LEAK PROCEDURES
	HIGHWAY OR RAILWAY SPILLS - CALL CHEMTREC 800/424-9300
Precautions In Case of Release or Spill Reportable	Flush spilled material into suitable retaining areas or containers with large quantities of water. Notify Coast Guard National Response Center; Phone No. 800-424-8802, If Spill Is Greater ThanIbs (Kilograms)
Waste Disposal	
Method	Dispose of product in accordance with applicable local, county, state and federal regulations.

	Section VII S	FORAGE AND S	PECIAL PRECAUTIO	NS		
Handling and Storing Precautions	Keep product contain			, atmospheric air).		
Other Precautions	Personnel should avoid inhalation of vapors. (See Sections I, II, III, V, VI.) Personal contact with the product should be avoided. Should contact be made, remove saturated clothing and flush affected areas with water. (See Sections II, IV, VI.)					
	Section VIII I	FIRE AND EXPL	OSION HAZARD DA	ГА		
DOT Flammability Classification	Not Applicable.	Flash Point R	ange:			
Extinguishing Media						
Unusual Fire and Explosion Hazards	Avoid water.					
Fire Fighting Procedures						
Approximate Boiling Range, * F	Sec		Heavier Than Air			
Evaporation Rate:	☐ Faster ☐ Slower Than Ether	Pan	cent atile:	Solubility in Water: Complete		
Specific Gravity:	Lighter Than Water 99% 96% 93%	1.8342 Wei 1.8355 1.8279		15.30		
Appearance and Odor Colo						
	Section X	DOCUMENTA	ARY INFORMATION			
Product Code No.	311	Issue Date July	7 1981 Prepar	ed By P. S. Backlund		
Replaces: UCD No.	296	Product Code No.	311 Issued	January 1980		
Reviewed By:	Office A Datter Manager, Loss Prevention					
Reviewed By:	Kange Sech	Director of Occupation	onal Health & Toxicology			

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